This listing of claims will replace all prior versions and listings of claims in the application:

## **Listing of Claims**:

1. (original) A compound of the formula 1:

wherein R is chosen from semicarbazone, thiosemicarbazone, hydrazone, tert-butylhydrazone, phenylhydrazone, 2,4-dinitrophenylhydrazone, 4-methoxyphenylhydrazone, 3-methoxyphenylhydrazone, 4-nitrophenylhydrazone, benzylhydrazone, methanesulfonylhydrazone, benzenesulfonylhydrazone, 4-methylbenzenesulfonylhydrazone, benzyloxime and acetoxime.

- 2. (previously presented) The compound of claim 1, wherein R is chosen from semicarbazone, hydrazone, *tert*-butylhydrazone, carbohydrazone, benzyloxime or acetoxime.
- 3. (previously presented) A histone deacetylase inhibitor comprising a compound according to claim 1.
- 4. (previously presented) An anti-tumor composition comprising a compound according to claim 1.

- 5. (presently amended) A method for treating or preventing tumors and/or reducing the risk thereof comprising administrating administering to a subject in need thereof a therapeutically effective amount of a compound according to claim 1.
- 6. (previously presented) A method for producing a compound according to claim 1, wherein the method comprises the step of reacting apicidin (represented by formula 2):

with a hydrazine, carbazide or an amine, in the presence of an acid or a base.

- 7. (previously presented) The method of claim 6, wherein the step of reacting apicidin with the chosen compound involves the use of methanol or ethanol as a reaction solvent.
- 8. (previously presented) The method of claim 6, wherein the base is chosen from triethylamine or pyridine.
  - 9. (previously presented) The method of claim 6, wherein the acid is acetic acid.
- 10. (previously presented) The method of claim 7, wherein the base is chosen from triethylamine or pyridine.
  - 11. (previously presented) The method of claim 7, wherein the acid is acetic acid.